


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE Information Disclosure Statement by Applicant (Use several sheets if necessary)	ATTY. DOCKET NO. PST-100US	SERIAL NO 10/061,001	
	APPLICANT Sau Lan Tang Staats		
	FILING DATE January 30, 2002	GROUP Unknown	

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
JS	4,908,112	03/1990	Pace	204	299 R	
	5,126,022	06/1992	Soane et al.	204	180.1	
	5,141,548	08/1992	Chervet	65	108	
	5,413,513	05/1995	Horne et al.	445	24	
	5,571,410	11/1996	Swedberg et al.	210	198.2	
	5,635,358	06/1997	Wilding et al.	435	7.2	
	5,726,026	03/1998	Wilding et al.	435	7.21	
	5,757,482	05/1998	Fuchs et al.	356	246	
	5,842,787	12/1998	Kopf-Sill et al.	366	340	
	5,858,188	01/1999	Soane et al.	204	454	
	5,885,470	03/1999	Parce et al.	216	33	
	5,957,579	09/1999	Kopf-Sill et al.	366	340	
	6,001,231	12/1999	Kopf-Sill	204	454	
	6,042,709	03/2000	Parce et al.	204	453	
	6,068,752	05/2000	Dubrow et al.	204	604	
	6,074,725	06/2000	Kennedy	428	188	
	6,123,798	09/2000	Gandhi et al.	156	292	
	6,132,579	10/2000	Edwards et al.	204	451	
	6,176,962 B1	01/2001	Soane et al.	156	292	
	6,210,986 B1	04/2001	Arnold et al.	438	42	

FOREIGN PATENT DOCUMENTS


Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO
JS						

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JS	1)	"Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates," by Randy M. McCormick et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 14; July 15, 1997; pps. 2626-2630
	2)	"Overview of Microelectromechanical Systems and Design Processes," by William C. Tang; <i>ACM, Inc.</i> ; 1997; pps. 670-673
	3)	"Integrated Chemical Analysis on Plastic Microfluidic Devices," by Travis D. Boone et al.; <i>Solid-State Sensor and Actuator Workshop</i> ; June 8-11, 1998; pps. 87-92

U.S. PATENT DOCUMENTS

Examiner 	Date Considered 7/12/04
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS

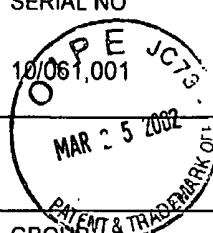
(Including Author, Title, Date, Pertinent Pages, Etc.)

JS	4)	"Rapid Tooling Using SU-8 for Injection Molding Microfluidic Components," by Thayne L. Edwards et al. <i>Microfluidic Devices and Systems III</i> , Proceedings of SPIE Vol. 4177; 2000, pps. 82-89	
	5)	"Biochips: Miniaturization and Integration for Microanalysis," by Andrew Broderick; <i>Emerging Technologies</i> ; 1999, pps. 1-12	
	6)	"Development of Methods for On-Line Chemical Detection with Liquid-Phase Microchemical Reactors Using Conventional and Unconventional Techniques," by Rebecca J. Jackman, et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 155-158	
	7)	"Polymer Micro-Structures: Prototyping, Low-Cost Mass Fabrication and Analytical Applications," by J. S. Rossier et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 159-162	
	8)	"Microfabrication Technology for Chemical and Biochemical Microprocessors," by Eric T. Lagally et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 217-220	
	9)	"Capillary Electrophoresis with Direct and Contactless Conductivity Detection on a Polymer Microchip," by G. Weber, et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 383-386	
	10)	"Miniaturized Capillary Electrophoresis System with Integrated Conductivity Detector," by Richard Schasfoort et al.; <i>Micro Total Analysis Systems 2000</i> ; pps 391-394	
	11)	"Microfabricated CE Chips with Optical Slit for UV Absorption Detection," by T. Nishimoto et al.; <i>Micro Total Analysis Systems 2000</i> ; pps 395-398	
	12)	"High-Throughput SNP Scoring in a Disposable Microfabricated CD Device," by Ann Eckersten et al.; <i>Micro Total Analysis Systems 2000</i> ; pps 521-523	
	13)	"Diamond Microchip Capillary Chromatography of Proteins," by H. Björkman et al.; <i>Micro Total Analysis 2000</i> ; pps 187-190	
	14)	"Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," by Zhonghui H. Fan and D. Jed Harrison; <i>Analytical Chemistry</i> , Vol. 66, No. 1; January 1, 1994; pps 177-184	
	JS		

U.S. PATENT DOCUMENTS

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	APPLICANT Sau Lan Tang Staats	
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Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JS	15)	"High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," by Adam T. Woolley et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 11; June 1, 1997; pps 2181-2186
JS	16)	"Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," by Carlo S. Effenhauser et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 1; September 1, 1997; pps 3451-3457
JS	17)	"High-Speed Microchip Electrophoresis: Exploring the Limits," by Stephen C. Jacobson et al; <i>Solid-State Sensor and Actuator Workshop</i> ; June 8-11, 1998; pps 93-96

Examiner 	Date Considered 7/12/04
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

SHEET 1 OF 1
(REV. 7-80)**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 4194/1L483-US2 SERIAL NO: 10/061,001
APPLICANT: Sau Lan Tang STAATS FILING DATE: January 30, 2002
CONFIRMATION NO:

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JS	1. 4,756,884	7/12/88	Hillman et al.	—	—	7/1/86
	2. 5,486,335	1/23/96	Wilding et al.	—	—	4/24/95
	3. 5,992,820	11/30/99	Fare et al.	—	—	11/19/97
	4. 5,900,130	5/4/99	Benvegnu et al.	—	—	6/18/97

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FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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JS X

OTHER REFERENCES

(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

*EXAMINER
INITIALS

JS X

EXAMINER:

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031



U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/061,001		
		Filing Date	January 30, 2002		
		First Named Inventor	Sau Lan T. Staats		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	4194/1L483US2

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
9/1	AA	6,137,501-B1	10-24-2000	Wen et al.	
	AB	6,136,212-B1	10-24-2000	Mastrangelo et al.	
	AC	6,068,751-B1	05-30-2000	Neukermans	
9/2	AD	6,042,709-B1	03-28-2000	Parce et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
						

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¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
9/1	CA	International Search Report.	

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